

FUJINON. Your total solution to machine vision.

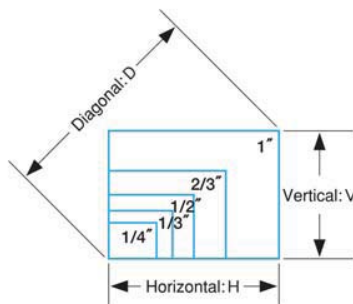


Fujinon offers a variety of 5 megapixel ultra high resolution and inexpensive 1.5 megapixel resolution fixed focal lenses, providing the flexibility needed for today's machine vision applications. All lenses incorporate locking screws to keep focus and aperture consistent when subjected to vibration.

All of our Vision Lens Series feature Megapixel Capability, Metal Barrel, Locking Screws, Close M.O.D, and Standard C-mount.

Image Sizes

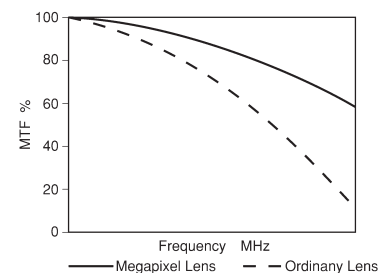
There are several types of imaging elements for cameras, with different image sizes. The typical aspect ratio of cameras is normally 4:3 (H:V).



Imaging element	Image size (mm)		
	Horizontal:H	Vertical:V	Diagonal:D
1"	12.8	9.6	16.0
2/3"	8.8	6.6	11.0
1/2"	6.4	4.8	8.0
1/3"	4.8	3.6	6.0
1/4"	3.6	2.7	4.5

Fixed focal length lens corresponding to megapixel

The chart shown at right compares MTF of an ordinary lens and a megapixel corresponding lens. As the frequency increases, the disparity in MTF becomes bigger.



Model Number	Image Format	Focal Length	Iris Range	Iris Operation	Lens Mount	M.O.D. (M)
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2/3" FORMAT, 5 MEGAPIXEL MACHINE VISION LENS SERIES

<i>5 Megapixel</i>	HF12.5SA-1	2/3"	12.5mm	F1.4 - F22	Manual	C	0.1
<i>5 Megapixel</i>	HF16SA-1	2/3"	16mm	F1.4 - F22	Manual	C	0.1
<i>5 Megapixel</i>	HF25SA-1	2/3"	25mm	F1.4 - F22	Manual	C	0.1
<i>5 Megapixel</i>	HF35SA-1	2/3"	35mm	F1.4 - F22	Manual	C	0.2
<i>5 Megapixel</i>	HF50SA-1	2/3"	50mm	F1.8 - F22	Manual	C	0.4
<i>5 Megapixel</i>	HF75SA-1	2/3"	75mm	F1.8 - F22	Manual	C	0.9

1" FORMAT, 1.5 MEGAPIXEL MACHINE VISION LENS SERIES

<i>1.5 Megapixel</i>	CF12.5HA-1	1"	12.5mm	F1.4 - F22	Manual	C	0.1
<i>1.5 Megapixel</i>	CF16HA-1	1"	16mm	F1.4 - F22	Manual	C	0.1
<i>1.5 Megapixel</i>	CF25HA-1	1"	25mm	F1.4 - F22	Manual	C	0.1
<i>1.5 Megapixel</i>	CF35HA-1	1"	35mm	F1.4 - F22	Manual	C	0.2
<i>1.5 Megapixel</i>	CF50HA-1	1"	50mm	F1.8 - F22	Manual	C	0.4
<i>1.5 Megapixel</i>	CF75HA-1	1"	75mm	F1.8 - F22	Manual	C	0.9

ECONOMICAL 1.5 MEGAPIXEL MACHINE VISION LENS SERIES

<i>1.5 Megapixel</i>	DF6HA-1B	1/2"	6mm	F1.2 - F16	Manual	C	0.1
<i>1.5 Megapixel</i>	HF9HA-1B	2/3"	9mm	F1.4 - F16	Manual	C	0.1
<i>1.5 Megapixel</i>	HF12.5HA-1B	2/3"	12.5mm	F1.4 - F16	Manual	C	0.1
<i>1.5 Megapixel</i>	HF16HA-1B	2/3"	16mm	F1.4 - F16	Manual	C	0.1
<i>1.5 Megapixel</i>	HF25HA-1B	2/3"	25mm	F1.4 - F16	Manual	C	0.1
<i>1.5 Megapixel</i>	HF35HA-1B	2/3"	35mm	F1.6 - F22	Manual	C	0.3
<i>1.5 Megapixel</i>	HF50HA-1B	2/3"	50mm	F2.3 - F22	Manual	C	0.5
<i>1.5 Megapixel</i>	HF75HA-1B	2/3"	75mm	F2.8 - F22	Manual	C	1.1

3CCD POV LENS SERIES

<i>3CCD</i>	TF2.8DA-8	1/3"	2.8mm	F2.2 - F1.6 - C	Manual	C	0.1
<i>3CCD</i>	TF4DA-8	1/3"	4mm	F2.2 - F1.6 - C	Manual	C	0.1
<i>3CCD</i>	TF8DA-8B	1/3"	8mm	F2.2 - F1.6 - C	Manual	C	0.1
<i>3CCD</i>	TF15DA-8	1/3"	15mm	F2.2 - F1.6 - C	Manual	C	0.1
<i>3CCD</i>	TF25DA-8B	1/3"	25mm	F2.2 - F1.6 - C	Manual	C	0.2

5 MEGAPIXEL FISH-EYE LENS SERIES

<i>5 Megapixel</i>	FE185C046HA-1	1/2"	1.4mm	F1.4 - F16	Manual	C	0.1
<i>5 Megapixel</i>	FE185C057HA-1	2/3"	1.8mm	F1.4 - F16	Manual	C	0.1
<i>5 Megapixel</i>	FE185C086HA-1	1"	2.7mm	F1.8 - F16	Manual	C	0.2